Index of Claims

| Application No. | Applicant(s)      |  |
|-----------------|-------------------|--|
| 10/606,226      | WATANABE, HIDEAKI |  |
| Examiner        | Art Unit          |  |
| Hiep Nguyen     | 2816              |  |

| 7 | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|                 |                            | Ц   |  |   |          |                    | ا               |          | L            | Т.              |
|-----------------|----------------------------|---|--|---|----------|--------------------|-----------------|----------|--------------|-----------------|
| C               | aim                        | T_  |  |   |          | Dat                | -               |          |              |                 |
|                 |                            | 703-150V  | Т                                      | Т   | T        | T                  | T               | т-       | 1            | _               |
| =               | Original                   | ľ   | ŀ                                      | İ   | İ        |                    |                 |          | ]            |                 |
| Final           | ij                         | 1   |  |   |          |                    |                 | 1        | 1            |                 |
| ۱ ۳             | ŏ                          | 6   | 1                                      |   |          | 1                  |                 |          |              | İ               |
| <u> </u>        | -                          | 10  | ,                                      | $\vdash$  | -        | +-                 | ╄               | ╀        | ╄-           | ┼—              |
| ļ               | 1<br>2<br>3<br>4<br>5<br>6 | 10  | ╄                                      | ╄   | ╀        | ╀                  | ╁               | ╄        | <del> </del> | ╄               |
|                 | 2                          | 17  | 1                                      | ╀-  | ╀        | ╄                  | ╄               | 1        | ╀-           |                 |
|                 | 3                          | 11  | ↓_                                     | ↓_  | ↓_       | ↓_                 | ╄               | ↓_       | ┺            | ┺               |
| <u> </u>        | 4                          | Н   | ــــــــــــــــــــــــــــــــــــــ | <u> </u>  | ╙        | ╙                  | ┺               | <u> </u> | <u> </u>     |                 |
|                 | 5                          | Н   | <u> </u>                               | ↓_  | ↓_       | ╄                  | ↓_              | ↓_       | ┺            | $oxed{igspace}$ |
| ļ               | 6                          | Н   | ↓_                                     | ╄   | 上        | ┺                  | ╄               | ↓_       | ╄            | ↓_              |
| <u></u>         | 7                          | Н   | ㄴ                                      | ـــ   | ↓_       | ↓_                 | ╙               | ╄        | <u>Ļ</u> .   | L               |
| <u> </u>        | 8                          | Н   | <u> </u>                               | ↓_  | ╙        | ╙                  | ┺               | ╙        | ┞            | ┖               |
|                 | 9                          | Н   | _                                      | 丄   | ┞        | ╙                  | ╙               | ↓_       | ┞            | _               |
|                 | 10                         | Ц   | _                                      | ┖   | <u> </u> | ↓_                 | $oxed{igspace}$ | _        | ┖            | _               |
| <u> </u>        | 10<br>11<br>12             | d   | 1_                                     | <u> </u>  | _        | _                  | $\perp$         | <u> </u> | ↓_           | _               |
| <u></u>         | 12                         | V   | 1_                                     | <u> </u>  | _        | <u> </u>           | $\perp$         | 丄        | 丄            | _               |
| <u></u>         | 13<br>14<br>15             | 0   | Ľ                                      | <u> </u>  | <u> </u> | <b>L</b>           | ↓_              | 1        | 1            |                 |
| L               | 14                         | 0   | 1_                                     | <u> </u>  | L        | <u>_</u>           | L               | <u> </u> | L            | _               |
|                 | 15                         | 0   |  |   |          | L                  | L               | L        | L            |                 |
|                 | 16<br>17<br>18             | 0   | L                                      | L   | L        |                    |                 |          |              |                 |
| $oxed{oxed}$    | 17                         | 0   |  |   | L        |                    |                 |          |              |                 |
|                 | 18                         | Ō   |  |   |          |                    |                 |          |              |                 |
|                 | 19                         | 0   |  |   |          |                    |                 | L        |              |                 |
| ш               | 20                         | V   |  |   |          |                    |                 |          |              |                 |
|                 | 21                         | $\vee$  | L                                      |   |          |                    |                 |          |              |                 |
|                 | 22<br>23                   | 0   |  |   |          |                    |                 |          |              |                 |
|                 | 23                         |   |  |   |          |                    |                 |          |              |                 |
|                 | 24                         |   | L                                      | L   | <u> </u> | L                  |                 |          |              |                 |
| Ш               | 25<br>26                   |   |  | 匚   | 乚        |                    |                 |          |              |                 |
|                 | 26                         | _   | 匚                                      | _   | 匚        |                    | L               | L        | L            |                 |
|                 | 27                         |   |  |   |          | L                  |                 |          | L            |                 |
|                 | 28<br>29                   | _   |  |   | L        | L                  | L               |          | 乚            |                 |
|                 | 29                         |   |  | L   |          |                    |                 |          |              |                 |
|                 | 30                         |   |  |   |          |                    |                 |          |              |                 |
| لسا             | 31<br>32                   |   | L                                      |   |          |                    |                 | 匚        |              |                 |
| $oxed{oxed}$    | 32                         |   | 匚                                      | L   |          | L                  | Ĺ               | 匚        | 匚            |                 |
|                 | 33                         |   |  |   |          |                    |                 | 匚        |              |                 |
|                 | 34                         |   | <u> </u>                               |   |          |                    |                 |          | L            |                 |
| igsqcut         | 35                         | L.  |  |   |          |                    |                 |          | 匚            |                 |
|                 | 36                         |   | _                                      | <u> </u>  |          |                    |                 |          |              |                 |
| <u> </u>        | 37                         | ليا   | L                                      | $ldsymbol{ld}}}}}}$ | <u> </u> |                    | $\Box$          |          | 匚            |                 |
| igsqcut         | 38                         | $ldsymbol{ld}}}}}}$ |  | <u> </u>  | <u> </u> | <u> </u>           | L               | <u> </u> |              | Ш               |
| $oxed{oxed}$    | 39                         |   | _                                      | L   | <u> </u> | L                  | <u> </u>        |          |              |                 |
| $\sqcup \sqcup$ | 40                         |   | L                                      |   | _        | _                  | $\Box$          |          | 匚            |                 |
| $oxed{oxed}$    | 41                         |   | <u> </u>                               |   | _        | <u> </u>           |                 |          | $\Box$       |                 |
| $oxed{oxed}$    | 42                         |   |  | $\Box$  | oxdot    | $oxedsymbol{oxed}$ |                 |          |              |                 |
| $oxed{oxed}$    | 43                         |   | L                                      |   |          | $\Box$             |                 |          |              |                 |
| $oxed{oxed}$    | 44                         |   |  |   |          |                    | L               | Ĺ        |              |                 |
|                 | 45                         |   |  |   |          |                    |                 |          |              |                 |
| oxdot           | 46                         |   |  |   |          |                    |                 |          |              |                 |
|                 | 47                         |   |  |   |          |                    |                 |          |              |                 |
|                 | 48                         |   |  |   |          |                    |                 |          |              |                 |
| Ī               | 49                         |   |  |   |          |                    |                 |          |              |                 |
|                 | 50                         |   |  |   |          |                    |                 |          |              |                 |

|          |          | _        |   |          |              |          |          |          | _               |          |                       |               |          |                  |          |           | _        | •        | _        |              |          | _             |
|----------|----------|----------|---|----------|--------------|----------|----------|----------|-----------------|----------|-----------------------|---------------|----------|------------------|----------|-----------|----------|----------|----------|--------------|----------|---------------|
| Cla      | aim      | Ţ        |   |          |              | Dat      | e        |          |                 |          | 1                     | Cla           | aim      | П                |          |           | -        | Dat      | e        |              |          | _             |
| Final    | Original | ープー      |   |          |              |          | Ī        |          |                 |          |                       | Final         | Original |                  |          |           |          |          |          |              |          |               |
| _        | L        | 69       |   |          |              |          |          |          |                 | _        |                       | Ĭ.            |          |                  |          | _         | _        |          | _        | L            | L        | L             |
|          | 1        | -        |   | ╄        | ╀            | ╀        | ┼        | ┼        | -               | ├        |                       |               | 51       | <del>     </del> |          |           | _        | ├-       | ⊢        | ╀            | <u> </u> | <del> </del>  |
| _        | 3        | 17       | ⊢ | ╀        | ╀            | ⊬        | ╁        | ╀        | ╁               | ┢        | 1                     |               | 52       | $\vdash$         | -        | $\dashv$  | _        | ⊢        | ├-       | ╀            | ├        | -             |
| -        | 4        | ₩        | ┢ | ╁        | ╁╌           | ┼-       | ╁        | ╁        | ⊢               | ┝        | $\left\{ \ \ \right $ |               | 53<br>54 | $\vdash$         | -        | $\dashv$  |          | ├-       | -        | ╀            | ⊢        | -             |
| -        | 5        | ┨        | ⊢ | ╁╌       | ╀            | ⊢        | ┢        | ╁        | ╁               | -        | 1                     |               | 55       | -                | $\dashv$ | $\dashv$  |          | ⊢        | ⊢        | ┈            | ├        | ├             |
| -        | 6        | ╁        | - | ╁        | ╁┈           | ╀        | ╁        | -        | $\vdash$        | ⊢        |                       |               | 56       | -                | -        | ┥         |          | -        | ├        | ⊢            | ╁        | ├             |
| -        | 7        | ╁        | - | ╁        | 十            |          | ╁        | ╁        | ╁               | ⊢        | 1                     |               | 57       | $\vdash$         | -        | $\dashv$  |          |          | ╁        | ┢            | ⊢        | ┢             |
| _        | 8        | H        | ┝ | +-       | ╁            | ╁─       | ╁        | ╀        | ╁               | ⊢        | 1                     |               | 58       | $\vdash$         | $\dashv$ | -1        | _        | ⊢        | ╁        | ╁            | $\vdash$ | ┢             |
| _        | 9        | Н        | - | 1-       | $\vdash$     | t        | $\vdash$ | $\vdash$ | $\vdash$        | $\vdash$ | 1                     |               | 59       |                  | -        | -         |          | -        | ┼        | ╁            | ⊢        | ┢             |
| _        | 10       | Н        |   | t        | H            |          | $\vdash$ |          | 1-              | -        | 1 1                   |               | 60       | $\vdash$         | $\dashv$ | -         |          | -        | ├        | t            | ⊢        | -             |
|          | 11       | U        |   |          |              |          | Т        | T        | T               |          | ÷                     |               | 61       |                  | 7        | _         | _        |          | ┢        | -            | Н        | <del> </del>  |
|          | 12       | $\nabla$ | _ | 1        |              | T        | t        | 1        | T               | Т        | 1                     |               | 62       |                  | _        | ┪         |          | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | ┢             |
|          | 13       | 0        | 7 | Т        | ⇈            |          |          | <u> </u> | T               |          |                       |               | 63       |                  |          | $\dashv$  |          | Н        | $\vdash$ | $t^-$        | $\vdash$ | Н             |
| $\neg$   | 14       | 0        |   |          | Г            |          |          |          |                 |          | 1 1                   |               | 64       | П                | T        | $\exists$ |          |          | $\vdash$ | ┢            |          | Г             |
|          | 15       | 0        |   |          |              | Π        | Γ        | Г        |                 |          | 1 1                   |               | 65       | П                |          | 7         |          |          |          |              |          |               |
|          | 16       | 0        |   |          |              |          |          |          |                 |          |                       |               | 66       | П                | $\neg$   | ┑         |          |          |          | Г            |          |               |
|          | 17       | 0        |   |          |              |          |          |          |                 |          |                       |               | 67       |                  | $\neg$   | П         | -        |          | Г        |              |          |               |
|          | 18       | 0        |   |          |              |          |          |          |                 |          | ] [                   |               | 68       |                  |          |           |          |          |          |              |          |               |
| _        | 19       | 0        |   |          |              |          |          |          |                 |          |                       |               | 69       |                  |          |           |          |          |          |              |          |               |
| _        | 20       | V,       |   | 匚        |              |          | L        |          | L               |          |                       |               | 70       |                  | $\perp$  |           |          |          |          |              |          |               |
| _        | 21       | Ž        |   | <u> </u> | 匚            | _        | L.       |          |                 |          |                       |               | 71       |                  |          |           |          |          |          |              |          |               |
| _        | 22       | 0        |   | ╙        | _            | _        | <u> </u> | _        | L               |          |                       |               | 72       |                  |          |           |          |          |          |              |          |               |
| _        | 23       |          |   | <u> </u> | _            |          | _        | <u>_</u> | _               |          |                       |               | 73       |                  | _        | 4         |          |          | L        | L            |          |               |
|          | 24       | _        |   | ├_       | ┡            | ┞        | _        | <u> </u> | _               |          |                       |               | 74       | _                | _        | _         |          |          | _        |              | Щ        |               |
|          | 25       | -        |   | ⊢        | ┞            |          | L        | <u> </u> |                 |          |                       |               | 75       | $\dashv$         | 4        | 4         | _        |          | _        | lacksquare   |          |               |
| $\dashv$ | 26<br>27 |          | _ | ├-       | ⊢            | -        | ⊢        | ⊢        | H               |          |                       |               | 76       | -                | -        | +         |          |          | _        | _            |          |               |
| $\dashv$ | 28       | -        | _ | -        |              | ├        |          | H        | $\vdash$        |          |                       |               | 77       | -                | +        | 4         | -        |          | _        | _            |          | _             |
| $\dashv$ | 29       | $\dashv$ |   | _        | ├            | ┝        | _        | ⊢        | $\vdash$        | _        | <b> </b>              |               | 78<br>79 | -                | -        | +         | _        |          | _        |              |          | _             |
| ┪        | 30       | -        | _ | -        | $\vdash$     | -        | -        | -        | H               |          |                       |               | 80       | $\dashv$         | $\dashv$ | +         | $\dashv$ |          |          | Н            | _        |               |
| +        | 31       | -        |   | -        | _            | -        | -        | $\vdash$ | Н               | -        |                       |               | 81       | -                | $\dashv$ | $\dashv$  | -        | _        | _        | $\vdash$     |          |               |
| _        | 32       |          | _ | $\vdash$ | $\vdash$     | $\vdash$ | ┢        | ┢        |                 |          | }                     |               | 82       | $\dashv$         | +        | -         | -        |          | _        | Н            | $\dashv$ |               |
| $\dashv$ | 33       |          |   | _        | Н            | _        | $\vdash$ |          | Н               |          | <b> </b>              | $\dashv$      | 83       |                  | _        | $\dashv$  | -        | _        | <u> </u> | $\vdash$     | $\dashv$ |               |
| $\neg$   | 34       |          | _ |          | $\vdash$     |          |          |          | Н               |          | l                     |               | 84       |                  | 十        | +         | ┪        |          | _        |              |          |               |
|          | 35       |          |   |          |              |          |          |          | H               |          | ı                     |               | 85       |                  | 十        | 寸         |          |          |          |              |          |               |
|          | 36       |          |   |          |              |          |          |          |                 |          | Ī                     | $\neg$        | 86       |                  | $\neg$   | 7         |          |          |          |              |          | $\overline{}$ |
|          | 37       |          |   |          |              |          |          |          |                 |          |                       |               | 87       |                  |          | 丁         |          |          |          |              |          |               |
| _        | 38       |          |   |          |              |          |          |          |                 |          |                       |               | 88       |                  |          |           |          |          |          |              |          |               |
| _        | 39       | _        |   |          |              | L        | L        |          |                 |          |                       |               | 89       |                  |          | $\square$ |          |          |          |              |          |               |
| _        | 40       | _        |   |          |              | L.       | L        |          | Ш               |          |                       |               | 90       |                  |          |           |          |          |          |              |          |               |
| 4        | 41       | _        |   |          |              | L_       |          | L_       | Ш               |          |                       |               | 91       |                  | $\perp$  | _         | _        | _        |          |              |          |               |
| _        | 42       | _        |   | L        | $oxed{oxed}$ | Щ        | Щ        |          |                 |          |                       |               | 92       | _                | _        | _         | _        |          |          |              | $\Box$   |               |
|          | 43       | 4        |   | Щ        |              | $\vdash$ |          | _        |                 |          | Ļ                     | $\rightarrow$ | 93       | _                | 4        | 4         | _        |          |          |              |          |               |
| $\dashv$ | 44       | 4        | _ | Щ.       | $\vdash$     | H        | <u> </u> | Щ        | Щ               | _        |                       | $\dashv$      | 94       | $\perp$          | $\perp$  | 4         | _ļ       | _        |          | $oxed{oxed}$ | $\perp$  |               |
| 4        | 45       | $\dashv$ |   |          |              | H        | H        | ļ        | $\vdash \vdash$ |          | -                     |               | 95       | $\dashv$         | +        | +         | 4        | _        | _        |              | _        |               |
| $\dashv$ | 46<br>47 | $\dashv$ |   | Н        | <u> </u>     | <u> </u> | -        | Н        | $\vdash$        | _        | }                     |               | 96       |                  | +        | +         | -        | $\dashv$ |          | $\square$    | _        |               |
| +        | 48       | $\dashv$ |   | Н        | $\vdash$     | _        | $\vdash$ | $\vdash$ | $\vdash \vdash$ | -        | - }                   |               | 97<br>98 | +                | +        | +         | +        | _        | _        | $\vdash$     | -        | _             |
| $\dashv$ | 49       | $\dashv$ |   | $\dashv$ | $\vdash$     | -        | _        | Н        | $\vdash \vdash$ | $\dashv$ | - }                   | -+            | 99       | $\dashv$         | $\dashv$ | +         | -        | $\dashv$ | -        |              | $\dashv$ | _             |
| $\dashv$ | 50       | +        | - | Н        | $\dashv$     |          | -        | $\vdash$ | $\vdash$        |          | H                     | -+            | 100      | $\dashv$         | $\dashv$ | +         | $\dashv$ | $\dashv$ |          | $\dashv$     | ┥        | _             |
|          |          |          | _ |          |              |          | L        |          |                 |          | L                     | 1             | .00      | L                |          | _         |          |          |          | Ш            |          |               |

|                   |                   | <u>L</u> | <u>L</u>   |          |          |           |                |              | J        |           |  |  |
|-------------------|-------------------|----------|------------|----------|----------|-----------|----------------|--------------|----------|-----------|--|--|
|                   |                   | Defe     |            |          |          |           |                |              |          |           |  |  |
| CI                | aim               | Date     |            |          |          |           |                |              |          |           |  |  |
| Final             | Original          |          | }<br> <br> | }        |          |           |                |              |          |           |  |  |
|                   | 101               |          |            | 1        |          | t         |                | 1            | T        | Ħ         |  |  |
|                   | 102               |          | Т          | T        | T        | $\dagger$ | T              | $\dagger$    |          | Ħ         |  |  |
|                   | 103               |          |            |          |          |           |                |              |          | П         |  |  |
|                   | 104               |          |            |          |          |           |                |              | Τ        | П         |  |  |
|                   | 105<br>106        |          |            |          |          |           |                |              | Γ        |           |  |  |
|                   | 106               |          |            |          | L        |           |                |              | L        |           |  |  |
|                   | 107               |          | ┖          | Ŀ        | _        | _         | L              | _            | <u> </u> | Ш         |  |  |
|                   | 108               | _        | <u> </u>   | ┡-       | <b>├</b> | ├_        | <del> </del> _ | <u> </u>     | <u> </u> | Ш         |  |  |
|                   | 109               | _        | ⊢          | -        | ┡        | ┢         | ├—             | ⊢            | ₩        | $\sqcup$  |  |  |
|                   | 110               |          | ╁          | ⊢        | ⊦        | -         | ╀              | ⊢            | ⊢        | Н         |  |  |
|                   | 112               | _        | $\vdash$   | ╁╌       | $\vdash$ | ┢         | $\vdash$       | ├-           | ╁        | Н         |  |  |
|                   | 111<br>112<br>113 |          | $\vdash$   | ╁        | Н        | ╁         | ┢              | ┢            | $\vdash$ | Н         |  |  |
|                   | 114               | _        | t          | T        | H        |           | T              |              |          | Н         |  |  |
|                   | 114<br>115        |          |            |          |          |           |                | Г            | $\vdash$ | М         |  |  |
|                   | 116               |          |            |          |          |           |                |              |          |           |  |  |
|                   | 117               |          |            |          |          |           |                |              |          |           |  |  |
|                   | 118<br>119        |          | <u> </u>   | ᆫ        | L        | L         |                | L            | <u> </u> | Ц         |  |  |
|                   | 119               |          | _          | L        | _        | <u> </u>  | _              | _            | _        | Ц         |  |  |
|                   | 120               | _        | <u> </u>   | -        |          | _         | ┞              | _            | ⊢        | Н         |  |  |
|                   | 120<br>121<br>122 |          | -          | ┝        | <u> </u> | ┝         | -              | <del> </del> | -        | Н         |  |  |
|                   | 123               | _        | $\vdash$   | ┝        | $\vdash$ | -         | -              | ┢            | -        |           |  |  |
|                   | 123<br>124<br>125 |          |            | $\vdash$ | $\vdash$ | _         | $\vdash$       | ┢            | ┢        | Н         |  |  |
|                   | 125               |          |            |          |          |           |                |              |          | Н         |  |  |
|                   | 126<br>127<br>128 |          |            |          |          |           |                |              |          | П         |  |  |
|                   | 127               |          |            |          |          |           |                |              |          |           |  |  |
|                   | 128               | _        | _          |          |          | L         | <u> </u>       | L            | L        | Ш         |  |  |
| $\longrightarrow$ | 129               |          |            |          | _        | <u> </u>  | _              | <u> </u>     | <u> </u> |           |  |  |
|                   | 130<br>131        | _        | _          | _        |          | <b>-</b>  | <u> </u>       | _            | _        | Н         |  |  |
|                   | 132               | _        | _          | $\vdash$ |          | -         |                | ┝            | -        | $\vdash$  |  |  |
| $\dashv$          | 133               | -        | _          |          |          | ├─        | -              | -            | -        | $\dashv$  |  |  |
| $\dashv$          | 133<br>134        | _        | -          | _        |          | -         | $\vdash$       | $\vdash$     |          | $\dashv$  |  |  |
|                   | 135               |          |            |          |          |           |                |              |          | $\exists$ |  |  |
|                   | 136               |          |            |          |          |           |                |              |          |           |  |  |
|                   | 137               |          |            |          |          |           |                |              |          |           |  |  |
|                   | 138               | _        |            | Ш        |          | _         | Ь.             | Ш            |          | Щ         |  |  |
|                   | 139<br>140        | _        | _          | -        |          | <u> </u>  | L              |              | _        | Н         |  |  |
|                   | 141               |          |            | Н        | _        | Н-        |                | -            |          | $\dashv$  |  |  |
|                   | 142               | ᅱ        |            |          |          | Н         | _              |              |          | $\dashv$  |  |  |
| 1                 | 143               | ᅱ        |            | $\vdash$ |          | H         | М              |              | Н        | $\dashv$  |  |  |
|                   | 144               |          |            |          |          |           | П              |              | Н        | $\dashv$  |  |  |
|                   | 145               |          |            |          |          |           |                |              |          |           |  |  |
|                   | 146               |          |            |          |          |           |                |              |          |           |  |  |
|                   | 147               | 4        | Щ          | Ц        |          | Ш         |                |              |          |           |  |  |
|                   | 148               | 4        | $\perp$    |          |          |           |                |              |          | _         |  |  |
|                   | 149<br>150        | _        | $\dashv$   | $\dashv$ | _        | Н         | Щ              | Щ            | $\dashv$ | $\dashv$  |  |  |
|                   | 130               |          | Ш          |          |          | Ш         |                | لــا         |          |           |  |  |